

B1 the tissue ablation site, the sensor device having a sensor tissue contact surface, one or more suction openings positioned along the sensor tissue contact surface of the sensor device, and a suction conduit for providing suction from a suction source to the one or more suction openings, the suction conduit being operatively connected with the one or more suction openings.

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29. (amended) The system of claim ~~28~~<sup>1</sup> wherein the ablation device further comprises one or more suction openings positioned along the ablation tissue contact surface and a suction conduit for providing suction from a suction source to the one or more suction openings, the suction conduit operatively connected with the one or more suction openings.

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34. (amended) The system of claim ~~28~~<sup>1</sup> wherein the ablation device further comprises a maneuvering apparatus operatively connected with the ablation tissue contact surface of the ablation device for maneuvering the energy transfer element.

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40. (amended) The system of claim ~~28~~<sup>1</sup> wherein the sensor device further comprises a maneuvering apparatus operatively connected with the sensor tissue contact surface of the sensor device for maneuvering the sensor.

Please add the following new claims:

B4 24  
50. (new) An ablation system for creating a tissue ablation site, the system comprising:

an energy source;

an ablation device operatively coupled to the energy source, the ablation device comprising one or more energy transfer elements positioned along an ablation tissue contact surface of the ablation device; and

a sensor device operatively coupled to the energy source, the sensor device including a plurality of sensors adapted to sense a temperature parameter

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relating to the tissue ablation site, at least some of the sensors aligned in a row along a sensor tissue contact surface, one or more suction openings positioned along the sensor tissue contact surface of the sensor device.

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57. (new) The system of claim 56 wherein the ablation device further comprises one or more suction openings positioned along the ablation tissue contact surface.

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58. (new) The system of claim 56 wherein the ablation device further comprises an irrigation fluid conduit for providing irrigation fluid from an irrigation source to the tissue ablation site.

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59. (new) The system of claim 58 wherein the irrigation fluid is an energy-conducting liquid.

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60. (new) The system of claim 58 wherein the irrigation fluid comprises one or more diagnostic or therapeutic agents.

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61. (new) The system of claim 58 wherein the sensor further comprises a means for varying irrigation fluid supplied to the irrigation conduit in response to the sensed temperature parameter.

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62. (new) The system of claim 56 wherein the ablation device further comprises a maneuvering apparatus operatively connected with the ablation tissue contact surface of the ablation device for maneuvering the energy transfer element.

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63. (new) The system of claim 62 wherein the maneuvering apparatus includes at least one pull wire.

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64. (new) The system of claim 62 wherein the maneuvering apparatus includes a handle.

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34 65. (new) The system of claim 64 wherein the handle comprises one or more hinges or joints.

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31 66. (new) The system of claim 65 wherein the one or more hinges or joints are actuated remotely.

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67. (new) The system of claim 64 wherein the handle is shapeable.

41 68.

(new) The system of claim 56 wherein the sensor device further comprises a maneuvering apparatus operatively connected with the sensor tissue contact surface of the sensor device for maneuvering the sensor.

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69. (new) The system of claim 68 wherein the maneuvering apparatus includes at least one pull wire.

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70. (new) The system of claim 68 wherein the maneuvering apparatus includes a handle.

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71. (new) The system of claim 70 wherein the handle comprises one or more hinges or joints.

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72. (new) The system of claim 71 wherein the one or more hinges or joints are actuated remotely.

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(new) The system of claim 70 wherein the handle is shapeable.

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(new) The system of claim 56 wherein the sensor device further comprises an output device for alerting or informing a practitioner regarding the

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temperature parameter relating to the tissue ablation site sensed by the sensor device.

48 ~~47~~ 29  
24. ~~75~~ (new) The system of claim 56 further comprising a generator operatively connected to the energy source.

49 ~~48~~ 49  
25. ~~76~~ (new) The system of claim 74 wherein the generator includes a control unit or processor.

50 ~~49~~ 29  
26. ~~77~~ (new) The system of claim 56 wherein the energy source is an RF energy source.

51 ~~50~~ 29  
27. ~~78~~ (new) The system of claim 56 wherein the energy source is an electrical energy source.

52 ~~51~~ 29  
28. ~~79~~ (new) The system of claim 56 wherein the energy source is a laser energy source.

53 ~~52~~ 29  
29. ~~80~~ (new) The system of claim 56 wherein the energy source is a thermal energy source.

54 ~~53~~ 29  
30. ~~81~~ (new) The system of claim 56 wherein the energy source is a microwave energy source.

55 ~~54~~ 29  
31. ~~82~~ (new) The system of claim 56 wherein the energy source is an ultrasound energy source.

56 ~~55~~ 29  
32. ~~83~~ (new) The system of claim 56 further comprising a means for varying energy supplied by the energy source to the energy transfer elements in response to the sensed temperature parameter.

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